Operating instructions

kobold by bron

BB200

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kobold
BB 200

Before use

Please read all the information contained in these operating instructions carefully. They contain important details on the use, safety and maintenance of the lighting equipment. Keep these operating instructions in a safe place and pass them on to further users if necessary.
Observe the safety instructions.

Important safety instructions

When using your lighting equipment, basic safety precautions should always be followed, including the following:

1. Read and understand all instructions before using.

2. Close supervision is necessary when any appliance is used near children. Do not leave appliance unattended while in use. Animals must be kept away from the appliance.

3. The lamp and the accessories mounted onto the lamp may heat up to high temperatures, so please handle with care.

4. Do not operate lamp with a damaged cable or if the lamp has been dropped or damaged - until it has been examined by a qualified serviceman.

5. Position the cable so that it will not be tripped over, pulled, or make contact with hot surfaces.

6. To reduce the risk of electric shock, never open this unit: take it to a qualified serviceman when service or repair work is required. Incorrect reassembly can cause electric shock when the equipment is subsequently used.

7. The use of an accessory attachment not recommended by the manufacturer may cause a risk of fire, electric shock, or injury to persons.

8. The ballast unit BB 200 is fully compatible with the other kobold 200 W daylight systems.

Attention: Read before starting up

- Protect the unit from water.
- To ensure maximum service life of the lamp, allow it to heat up for approx. 1 minute without interruption.
- Always disconnect the ballast unit from the battery before cleaning or servicing and when not in use. Never pull on the cable itself; pull only on the plug housing.
- To prevent overheating, do not obstruct the free air flow through the ventilation slots during operation.
- To reduce the risk of electric shock, do not disassemble the equipment, but take it to a qualified serviceman when service or repair work is required. Incorrect reassembly can cause electric shock when the equipment is subsequently used.
- Before replacing fuses or the lamp, disconnect the ballast unit from the battery.
- The equipment is not suitable for use in explosion-hazard areas.
- Do not operate the lamp without a safety glass or with a damaged safety glass. Lamps may burst; the safety glass will retain the hot fragments.
- Like natural daylight, HMI/MSR light contains a certain proportion of UV radiation. The safety glass reduces the UV content to safe levels for normal operating distances. When used at close operating distance, limit the exposure time of unprotected skin.

1. Starting up

- Connect the ballast unit to the battery. The ballast unit is designed for 30V batteries, but it can also be used with 24V batteries. In this case the output power is automatically limited to 170W maximum.

- The ballast unit is switched on by means of the on/off switch on the lamp. The green LED lights up (operating indicator).

- The ballast unit is equipped with an automatic heat-up device, so that the operating temperature is achieved after only 1 minute. In this period the unit should only be switched off if absolutely necessary in order to prolong the service life of the lamp.

- The optimal colour temperature is achieved after approx. 3 minutes of operation.

- If the lamp cannot be triggered, the ballast unit stops the trigger process after about 1.5 s and the red LED lights up. A new attempt to trigger can be initiated by operating the on/off switch again. After 10 attempts the unit will block the trigger circuit for a cool down period of approx. 30 seconds. After that further attempts are possible.

- Ensure that the ventilation slots are not covered during operation.

2. Power regulation

The required light output can be set (100 % - 60 % adjustment range) with the power regulator. It should be noted that the colour temperature can change with the power output depending on the type of lamp used.

During heat-up the power is automatically set to full until the operating temperature is achieved. The blocking time of the dimmer depends on the lamp temperature when switching on and can vary between 5 s and 40 s.

3. Installing or replacing the lamp

Never replace a lamp without first disconnecting the lamp base from the ballast unit. Please observe the operating instructions of the lamp.

4. Connecting or replacing the battery

The ballast unit BB 200 is available in 3 variants:

1. with **slide lock system**

By pressing the security mechanism at the side of the slide lock system, the battery can be inserted respectively removed.

2. for **Cannon S12 2-pole plug**

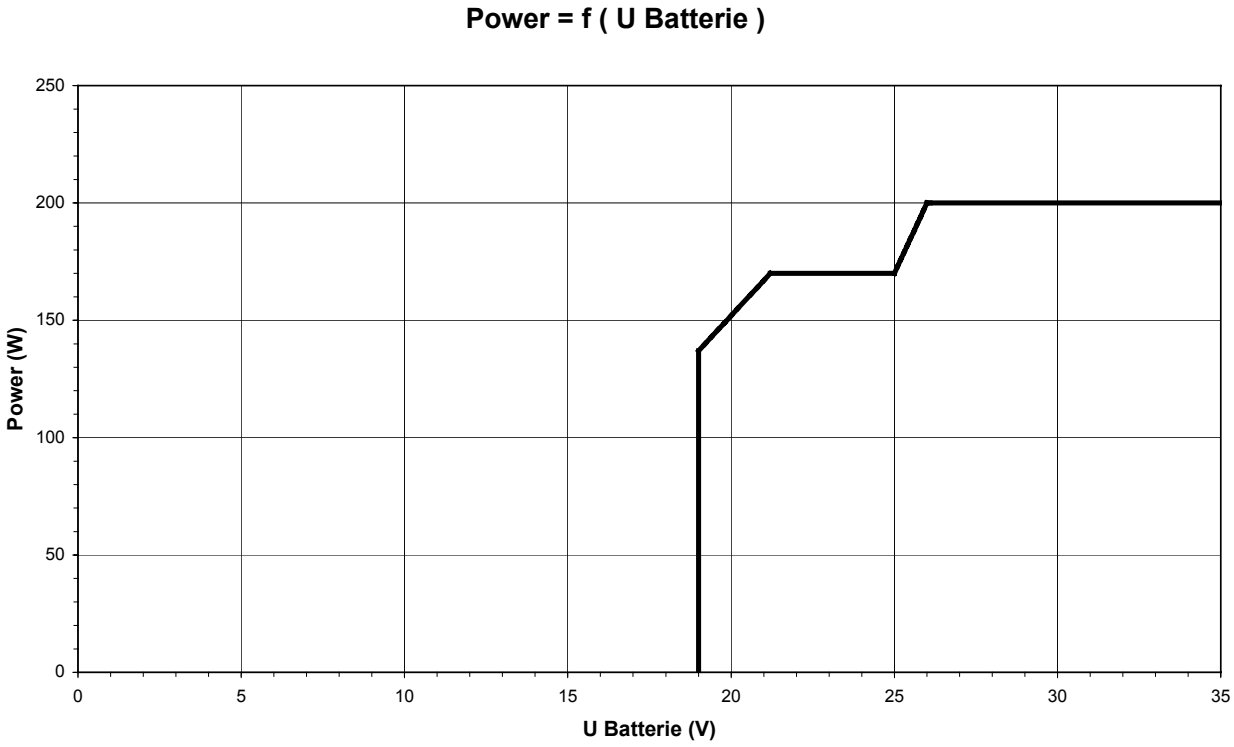
To connect respectively disconnect the ballast unit from the battery, tighten or release the cap nut on the plug. Please observe: Never pull on the cable itself; pull only on the plug housing.

3. for **XLR 4-pole plug**
To connect the ballast unit to the battery just plug in the corresponding connection, to disconnect, the security mechanism on the socket must be pressed, so that the plug can be pulled out. Please observe: Never pull on the cable itself; pull only on the plug housing.

5. LED Display

- **Green LED is lit continuously**: normal operating mode
- **Green LED is flashing**: the battery voltage has dropped to 26V – 22V. The lamp is now operated at a reduced power level according to the diagram below.
- **Red LED is blinking**: the battery voltage has dropped to 22V – 19V or the thermoprotection is activated reducing the power continuously down to 60%. The power reduction enables the user to recognize the situation and delays the final shut-down.
- **Red LED is lit continuously**: the unit has stopped operating for one of the following reasons:
    1. The battery voltage has dropped below 19V.
    2. The overload protection has stopped the trigger circuit after approx. 10 unsuccessful attempts to trigger. After 30 seconds further attempts are possible.
    3. The temperature of the ballast unit has exceeded a safe limit.
    4. Short circuit in the lamp.
    5. Technical fault

If the red LED is lit continuously the lamp must be switched off. This display is shown for a few seconds only. Then the red LED extinguishes in order to save battery current.



6. Technical data

Operation of **kobold** equipment with motor-generators

Kobold equipment is basically suitable for operation with motor-generators provided that the supply voltage remains within the tolerance limits of 200-264V or 95-135V respectively under all load conditions (including capacitive load). Experience shows that this usually requires electronically stabilized motor-generators. When connected to unstabilized motor-generators voltage peaks of 300V and over could be observed. This may cause damage for which we cannot assume any responsibility.

Rated output	200W	
Voltage range 30V battery	26V – 34V DC	
Voltage range 24V battery	22V – 25V DC	output limited to 170W
Automatic cut-off at	< 19V	
Ignition possible from	> 22V	
Power consumption	215W	
Current consumption standby	0.3 mA	
Efficiency	93%	
Ambient temperature	-5° to 45°C	
Operation possible up to	45° to 60°C	autom. power reduction to 50%
Storage temperature	-20° to 80°C	
Lamp frequency	400Hz	
Power variation	100% to 60%	
Stabilization	power stabilizer with automatic heat-up device achieving lamp operating temperature in 1 minute	
Fuse	10 AF	
Dimensions	65 x 105 x 165 mm	
Weight	750 g	
Alarm functions	low battery voltage ignition overload protection temperature monitor technical fault lamp shorted	
LED – display	green: operating indicator red : warning	
Protection	IP 20, insulation class II	
Standards	EC directives: 73/23, 89/336	
Lamp types	Osram	HMI 200 W/SE
	Philips	MSR 200 HR
	Sylvania	BA 200 SE HR

<u>BB 200 variants:</u>

With slide lock system	Art. No. 742-0194
For Cannon S12 2-pole plug	Art. No. 742-0193
For XLR 4-pole plug	Art. No. 742-0191

CE

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